

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/775,840 Confirmation No. 1645
Applicants : Carey John Naquin,
John R. Hardin, Jr.,
Chris Maranuk,
Jim Estep,
David Rios-Aleman, and
Haoshi Song
Filed : February 10, 2004
TC/A.U. : 3672
Examiner : Thomas S. Bomar

Title : Apparatus for Changing Wellbore Fluid Temperature
Docket No. : 1391-46000
Client Ref. No.: 2003-IP-011711 USA
Customer No. : 23505

Date : May 22, 2007

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

REPLY TO FINAL OFFICE ACTION DATED FEBRUARY 22, 2007

Sir:

Please amend the above-identified application as follows and consider the following remarks in reply to the Office action dated February 22, 2007.

Amendments to the Claims are reflected in the listing of the claims that begins on page 2 of this paper.

Remarks begin on page 13 of this paper.